Your Custom Amp: “Duriez Hybrid Amp”

Tone Base: 1969 Fender Bassman

Marcel Ray Duriez

2 min read

.

4 days ago

Marcel Ray Duriez Amp

- **Tube-driven preamp section** to capture that warm, vintage growl.

- Rich **midrange and tight low-end** — perfect for bass and guitar.

- Channels: **Normal & Bass Instrument** inputs for versatility.

Modeling Brain: Line 6 Spider Channels

- **Digital DSP board** (similar to the Spider series) for channel switching:

- Clean, Crunch, Metal, Insane, etc.

- Onboard effects: Reverb, Delay, Chorus, Flanger, Phaser, Tremolo

- Option to **bypass modeling for raw Bassman tube tone.**

Internal Components

- **Preamp:**

- 12AX7 tubes (x2–3) for tone shaping

- **Power Amp:**

- 6L6GC tubes (x2) or EL34s for power (similar to Bassman)

- 50W–100W RMS output

- **Digital Section:**

- DSP chip (SHARC or similar) with a microcontroller for effects & presets

- USB or Bluetooth interface for patch updates or PC/mobile control

Speakers: Bose or Panasonic

- **Bose 4" full-range drivers** or **Panasonic dome tweeters** combined with a custom-designed **mid-bass woofer**

- **Speaker Cabinet Tuning**:

- Ported or closed-back design depending on the clarity or warmth you're aiming for.

- Crossover network to separate highs/lows

- Impedance: 8 Ohms, compatible with standard tube amp output

- Optional: Add a **built-in subwoofer crossover out** for Bose bass module integration

Front Panel Layout

- **Channel Selector:** Bassman / Line 6 Modeling

- **Tone Stack (Bassman side):** Bass, Mid, Treble, Presence

- **Modeling Side Controls:** Preset knob, FX selector, Gain, Volume, FX level

- **Master Volume** and **Reverb**

- **Bright switch** (vintage-style enhancement)

- **Bluetooth or USB Port** for firmware or patch control

I/O and Connectivity

- Instrument in (Hi-Z)
- FX Send/Return Loop
- XLR Line Out with Cab Sim
- Headphone Out
- USB or MIDI In
- Bluetooth Audio (for backing tracks or amp control via app)

Optional Add-ons

- Built-in **looper** (like on some Spider amps)
- **Footswitch compatibility** (channel, effect, or loop control)
- **Built-in tuner**
- Onboard **IR (Impulse Response) loader** for cab simulation or emulated output

Summary

The "Duriez Hybrid Amp" would be:

- **Warm, vintage tube tone** of the 1969 Bassman
- **Modern versatility** with Line 6 modeling and effects
- **Audiophile-grade clarity** using Bose or Panasonic speaker tech
- **Smart connectivity** for live or studio use

Marcel Ray Duriez